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FORMATO 1449 (modified) ,				ATTY DOCKET NO. 00690.000003 CIP/C/CIP/C2	APPLICATION NO.	APPLICATION NO. 09/835,328			
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Zay,		3,215,038	11/2/65	Heller et al.	252	586			
Tay		3,280,701	10/25/66	Donnelly et al.	359	275			
7002		3,451,741	6/24/69	Manos	350 359	275			
TOP		3,453,038	7/1/69	Kissa et al.	350 -359	2759 1602			
7012		3,521,941	7/28/70	Deb et al.	350 359	2766	RECE!		
70%		3,652,149	3/28/72	Rogers	350 -359	2750 0			
702	··-	3,692,388	9/19/72	Hall, Jr. et al.	- 350 -359	275 8	'ED		
912		3,774,988	11/27/73	Rogers	350 359	\$275 \$50			
CAZ		3,806,229	4/23/74	Schoot et al.	350 359	773			
TMI		3,807,832	4/30/74	Castellion	-350 359	267 188			
			F0	REIGN PATENT DOCUMENTS					
DOCUMENT DATE NUMBER			COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT			
502	AU	A6804290	2/28/91	Australia	C07D	498/04			
TM	EP	0115394	8/8/84	Europe	A61K	31/54	X		
TAZ	EP	0145337	6/19/85	Europe	G02F	1/17	M''		
Say	EP	0240226	10/7/87	Europe	G02F	1/17			
		ОТ	HER DOCUMENT(S)	(Including Author, Title, Date, Per	tinent Pages, Etc.)				
THE		H. Akahoshi et Complex Modi	al., "Electroc fied Electrode	hemical and Spectroces", J. Phys. Chem., 8	themical Properti 5, 818-22 (1981)	es of Polyvi	ologen		
SAL		Energy Efficier	ncy and Solar	mic Mirrors with Varia Energy Conversion V ol. 653, 47-54 (1986)	, SPIE The Inte	, <u>Optical Ma</u> rnational So	atls Tech. for ociety for		
FAIL			Electrooptic	and Electrochemichro Displays, 155-96, A.R					
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*EXAMINEROF	W.F.	DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE		
EDIZ.		3,854,794	12/17/74	Van Dam et al.		950 359	272 160			
700		3,873,185	3/25/75	Rogers	•	350 359	275 147			
TAIL		4,116,545	9/26/78	Reddy	•	350 359	270 357			
Tall		4,139,234	2/13/79	Morgan		296	201 84			
TNZ		4,142,783	3/6/79	Engler et al.	•	350 359	357 357			
TOUR		4,174,152	11/13/79	Giglia et al.		358 359	3570			
TOIS-		4,282,272	8/4/81	Matsuhiro et al.	427		126.3			
EDZ.		4,304,465	12/8/81	Diaz	350 359		273 3 57			
			F	OREIGN PATENT DOCUMEN	TS					
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS		SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT		
502	JP	52 10745	1/27/77	Japan		302F	1/17	Yes		
GAZ.	JP	57208530	12/21/82	Japan	(902F	1/17-	Yes		
TO Z	JP	59116623	7/5/84	Japan	_	902F	1/17	Yes(Abstract)		
		C	THER DOCUMENT(S) (Including Author, Title, Date	e, Pertinent	Pages, Etc.)				
TAG	/	E.M. Engler et a Donor Polymer	al., "Electroch Film", <u>IBM T</u>	nromic Display Dev ech. Disc. Bull., 22(ice Wit 7), 299	h Memory I 3-97 (1979)	Based On H	omogenous		
TOUT		Y. Hirai and C. Systems", App	Tani, "Electro I. Phys. Lett.,	ochromism for Orga 43(7), 704-05/(1983	nic Ma <u>)</u>)	terials in P	olymeric All	Solid-State		
SH		Complex-Conta	K. Honda and A. Kuwano, "Solid-State Electrochromic Device Using Polynuclear Metal Complex-Containing Solid Polymer Electrolyte", J. Electrochem. Soc Accelerated Brief Comm., 853-54 (1986)							
Esy	,	Ligand (Bathop the Use of the I Sec., 129(4), 76	henanthrolin Modified Elec 2-67((1982)	lified Electrodes II. e Disulfonic Acid) E trodes for an Electr	Bound to cochror	to Polyelec nic Display	trolytes on l Device'', <u>J.</u>	Electrodes and		
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FORM PTO 1449 (modified)				ATTY DOCKET NO. 00690.000003 CIP/C/CIP/C		APPLICATION NO. 09/835,328			
		ARTMENT OF COMMERO AND TRADEMARK OFFIC		APPLICANT					
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PEXAMINER OF		DOCUMENT NUMBER	DATE	NAME		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
M		4,306,774	12/22/81	Nicholson		-350 -359	270		
ENIZ.		Re 30835	12/29/81	Giglia		350 -359	27 8 - 357		
502		4,338,000	7/6/82	Kamimori et al.		350 359	275 857		
EP12		4,435,048	3/6/84	Kamimori et al.		350 359	275 3 57		
FALL		4,449,786	5/22/84	McCord		250 359	293 8		
700		4,465,339	8/14/84	Baucke et al.		350 359	274 3 57		
5/2		4,473,695	9/25/84	Wrighton et al.		546	266		
98 <u>1</u>		4,519,930	5/28/85	Kakiuchi		252	62.2		
SOL		4,550,982	11/5/85	Hirai		3 50 -359	274 357		
TOUL		4,561,625	12/31/85	Weaver		249	85		
902		4,586,792	5/6/86	Yang et al.		350 359	273 357		
802		4,613,211	9/23/86	Papir et al.		25 03 <i>5</i> 9,	957		
02		4,652,090	3/24/87	Uchikawa et al.		3 50- 359	357		
SAZ		4,671,619	6/9/87	Kamimori et al.		850 359	275 207		
22		4,702,566	10/27/87	Tukude et al.		350 3 <i>9</i> 9	267 3 67		
		4,712,879	12/15/87	Lynam et al.		3 50 359	275 357		
			4712879458	6792FOREIGN PATENT DOCU	MENTS		<u> </u>		
		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
FRY	JP	63262624	4/14/87	Japan		G02F-	-1/17	Yes	
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)									
F. B. Kaufman, "New Organic Materials for Use as Transducers in Electrochromic Display									
52M				Biennial Display Re					
		October 24-26					DIO	F, -	
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Ers		4,741,603	5/3/88	Miyagi	i et al.	-3	50- 359	270 357			
802		4,750,817	6/14/88	Samr	nells	3	50 3 97	357 270			
90L	,	4,795,242	1/3/89	Wudl: Fi	red et al.	-3	50 359	-357-76S			
SWZ		4,807,977	2/28/89	Samr	nelis		50 359	-387-270			
50G		4,810,067	5/7/89	Demi	ryont	350 ³⁵⁹		357 265			
SAZ		4,832,467	5/23/89	Miyagi	i et al.	359 350		- 357 373			
SIL		4,871,236	10/3/89	Gemm	a et al.	350		357273			
702		4,872,745	10/10/89	Fujisaw	a et al.	359 350		357 268			
Tas		4,893,908	1/16/90	Wolf	et al.	359 350		357275			
802		4,902,108	2/20/90	ВуІ	ker	3 50		₃₅₇ 265			
2/2	•	4,908,283	3/13/90	Takahas	hi et al.	4	29	1 102 3/7			
Slot		4,927,246	5/22/90	lto e	t al.	-3	359 50-	357 275			
	ı	r ····	r	FOREIGN PATE	NT DOCUMENTS	<u>s</u>					
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THE	JP	1 33535	2/3/89	Jap	an	~ G (02F	147	Yes (Abstract)		
SOF	JP	1230608	9/14/89	Jap	oan	-6(98F-	249/00 -	Yes (Abstract)		
			OTHER DOCUMEN	NT(S) (Including A	uthor, Title, Date,	Pertinent	Pages, Etc.)			
SP		F. B. Kaufman Materials'', Ap					New C	lass of Electro	chromic		
The		S. Kuwabata e Polyaniline Ma	et al., "Photo atrixes", J. E	electrochro lectrochem	omic Proper	rties o (7), 18	of Methy 24-30 (1	lene Blue in C 992)	onducting		
Say		C. M. Lambert Energy Mater			rials and De	∍vices	for En	ergy Efficient V	Vindows", Solar		
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SOL	4,962,158	10/9/90	Kobayashi et al.		525	279				
7/2	4,993,810	2/19/91	Demiryont		- 850 359	265 357				
90%	5,028,124	7/2/91	Akhtar		350 359	265 357				
THE	5,042,923	8/27/91	Wolf et al.	_	359	275				
500	5,066,112	11/19/91	Lynam et al.		359	267				
	5,068,062	11/26/91	Inata et al.		252	518				
	5,073,012	12/17/91	Lynam		359	265	<u> </u>			
202	5,076,674	12/31/91	Lynam		359	274				
All L	5,080,471	1/14/92	Cogan et al.		359	275				
587	5,115,346	5/19/92	Lynam		359	604				
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	то	HER DOCUMENT(S)	(Including Author, Title, Date, Pe	ertinent P	ages, Etc.)					
ENZ	N. Leventis and Y. C. Chung, "Polyaniline-Prussian Blue Novel Composite Material for Electrochromic Applications", <u>J. Electrochem. Soc.</u> , 137(10), 3321-322 (1990)									
SOL			, "Poly(3-methylthion Mater. Chem., 2(3), 2			lue: A New	Composite			
SPY	Electrochromic Material", J. Mater. Chem., 2(3), 289-93 (1992) N. R. Lynam, "Electrochromic Automotive Day/Night Mirrors", SAE Technical Paper Series, 870636, Society for Automotive Engineers (1987)									
Siz	N. R. Lynam, "Society for Aut	Smart Windov comotive Engi	ws for Automobiles", ineers (1990)	SAE	Technical Pa	per Series,	900419,			
904	N. R. Lynam, " Matis., 90-2/20	Transparent E 1-31, The Ele	Electronic Conductor ctrochemical Society	rs" in <u> </u> /, Inc.,	Proc. Symp. o	on Electro- New Jerse	chromic			
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^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of form with next communication to applicant.

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FORM PTO 1449 (modified	ATTY DOCKET NO. 00690.000003 CIP/C/CIP/C	2	APPLICATION NO.	APPLICATION NO. 09/835,328				
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FAZ	5,122,896	6/16/92	Mizusaki et al.		359	273		
TOUZ	5,128,799	7/7/92	Byker		359	265		
5/1/Z	5,140,455	8/18/92	Varaprasad et al.		359	275		
SNZ	5,142,407	8/25/92	Varaprasad et al.		359	276		
SOL	5,148,014	9/15/92	Lynam et al.		250	214		
SMZ	5,148,305	9/15/92	Byker		359	265		
ENY	5,151,816	9/29/92	Varaprasad et al.		359	275		
ENZ	5,202,787	4/13/93	Byker et al.		359	267		
FAZ	5,233,461	8/3/93	Dornan et al.		359	272		
ENZ	5,239,405	8/24/93	Varaprasad et al.		359	272		
Say	5,239,406	8/24/93	Lynam et al.		359	275		
Cal	5,278,693	1/11/94	Theiste et al.		359	272		
ENL	5,280,380	1/18/94	Byker		359	265		
2012	5,282,077	1/25/94	Byker		359	272		
		521/18/943	9406FOREIGN PATENT DOCUM	/ENTS	<u>-</u>			
	DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION . YES/NO/ OR ABSTRACT	
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M	N. R. Lynam and A. Agrawal, "Automotive Applications of Chromogenic Materials", <u>Large-Area Chromogenics: Materials and Devices for Transmittance Control, SPIE Institute Series</u> , IS 4, 46-84, C. M. Lampert and C. G. Granquist, eds., SPIE Optical Engineering Press, Washington (1990)							
THE C	Modern Plastic	s Encycloped	lia 1988, 203-300, Mc			v York (198	8)	
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Golf	5,207,492	5/4/93	Roberts		362	30		
Set	5,457,218	10/10/95	Cronin et al.		556	44		
2012	5,500,760	3/19/96	Varaprasad et al.		359	272		
TAG	5,572,354	11/5/96	Desmond et al.		359	265		
CAL	5,576,687	11/19/96	Blank et al		340	438		
TAIL	4,973,844	11/27/90	O'Farrell et al.		250	341		
182 L	5,187,032	2/16/93	Sasaki et al.		429	192		
502	5,327,281	7/5/94	Cogan et al.		359	270		
201	5,471,338	11/28/95	Yu et al.		359	273		
		FO	REIGN PATENT DOCUMENTS					
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7002	T. Niwa et al., '	'All-Solid Lar	ge Area Variable Ref	lecta	nce EC Mirror			
EDD)	of Iridium Oxide and Tin Oxide", <u>Proc. of 6th Int'l. Disp. Res. Conf.</u> , P2.19, 322-75 (1986) H. Tsutsumi et al., "Polymer Gel Films with Simple Organic Electrochromics for Single-Film Electrochromic Devices", <u>J. Polym. Sci.</u> , 30, 1725-29 (1992)							
797	H. Tsutsumi et al., "Single Polymer Gel Film Electrochromic Device", Electrochemica Acta, 37, 369-70 (1992)							
504	M. Watanabe é Chem., Rapid (thium Conductivity o	of Po	lymeric Solid	Electrolytes	", Makromol.	
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